



# Hardware Reference Guide

HP t200 Zero Client for MultiSeat

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## About This Book

 **WARNING!** Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life.

 **CAUTION:** Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

 **NOTE:** Text set off in this manner provides important supplemental information.

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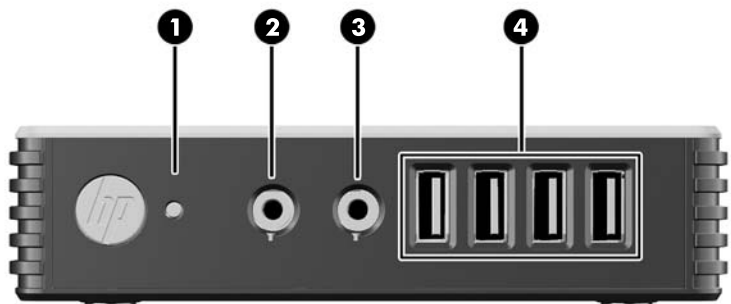
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# 1 Front Panel Components

For more information, <http://www.hp.com> and search for your specific t200 Zero Client model to find the model-specific QuickSpecs.

**Figure 1-1** Front panel components



(1)	Power LED	(3)	Line-out (headphone) audio connector
(2)	Line-in (microphone) connector	(4)	USB 2.0 connectors (4)

**NOTE:** If the optional DC adapter is not connected, the t200 Zero Client supports a standard USB keyboard and USB mouse plus one 100 mA USB device (low power), such as some flash drives.

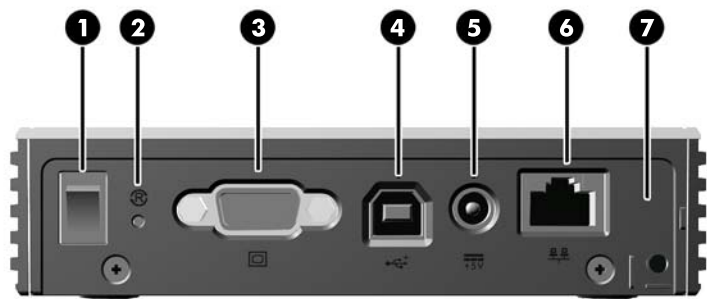
If the optional DC adapter is connected to a working power outlet or to the monitor, the t200 Zero Client supports a USB keyboard, a USB mouse, and two 500 mA (high power) USB devices.

HP monitors with power-pass-through (such as the HP LE1851wt 18-inch Widescreen LCD Monitor) can supply power to the t200 Zero Client.

# 2 Rear Panel Components

For more information, <http://www.hp.com> and search for your specific t200 Zero Client model to find the model-specific QuickSpecs.

**Figure 2-1** Rear panel components

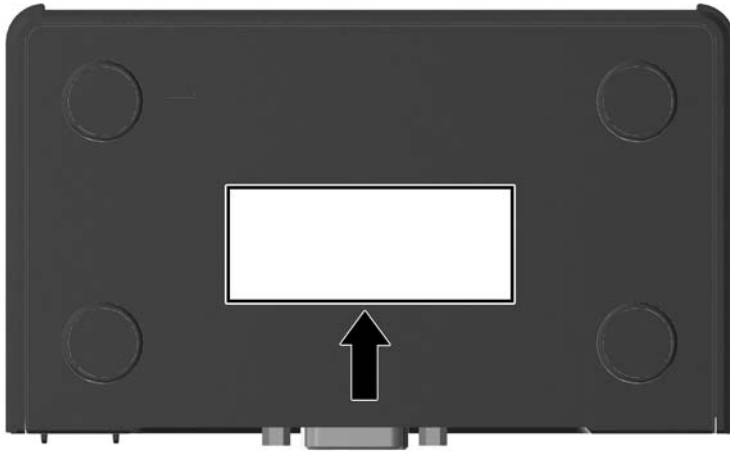


(1)	On/off switch	(5)	DC power connector
(2)	Reset button	(6)	Ethernet RJ-45 connector
(3)	VGA connector	(7)	Security clip slot
(4)	USB PC connector to host PC (USB Type A/B cable included)		

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## 3 Serial Number Location

**Figure 3-1** Serial number location



Every t200 Zero Client includes a unique serial number located as shown in the following illustration. Have this number available when contacting HP customer service for assistance.

# A Specifications

**Table A-1 t200 Zero Client**

<b>Dimensions</b>		
Width (side to side)	136 mm	5.35 in.
Height (without mounting bracket)	35 mm	1.38 in
Height (with mounting bracket)	41 mm	1.61 in
Depth (front to back)	91 mm	3.58 in.
<b>Approximate Weight</b>		
Without mounting bracket	343 g	12.1 oz
With mounting bracket	381 g	13.44 oz
<b>Temperature Range *</b>		
Operating**	10° to 40° C	50° to 104° F
(max. rate of change is 10° C per hour or 18° F per hour)		
Nonoperating	-30° to 60° C	-22° to 140° F
(max. rate of change is 20° C per hour or 36° F per hour)		
<p>*Specifications are at sea level with altitude derating of 1° C/300m (1.8° F/1000ft) to a maximum of 3Km (10,000ft), with no direct, sustained sunlight. Upper limit may be limited by the type and number of options installed.</p> <p>** The operating temperature range when the t200 Zero Client is attached to a flat panel using the mounting bracket is 50° to 95° F (10° to 35° C).</p>		
<b>Relative Humidity (non-condensing)</b>		
Operating	10–90%	10–90%
(max. wet bulb temperature is 28° C or 84.2° F)		
Nonoperating	5–95%	5–95%
(max. wet bulb temperature is 38.7° C or 101.6° F)		
<b>Maximum Altitude (unpressurized)</b>		
Operating	3,048 m	10,000 ft
(max. allowed rate of change is 457 m per minute or 1500 ft per minute)		
Nonoperating	9,144 m	30,000 ft
(max. allowed rate of change is 457 m per minute or 1500 ft per minute)		

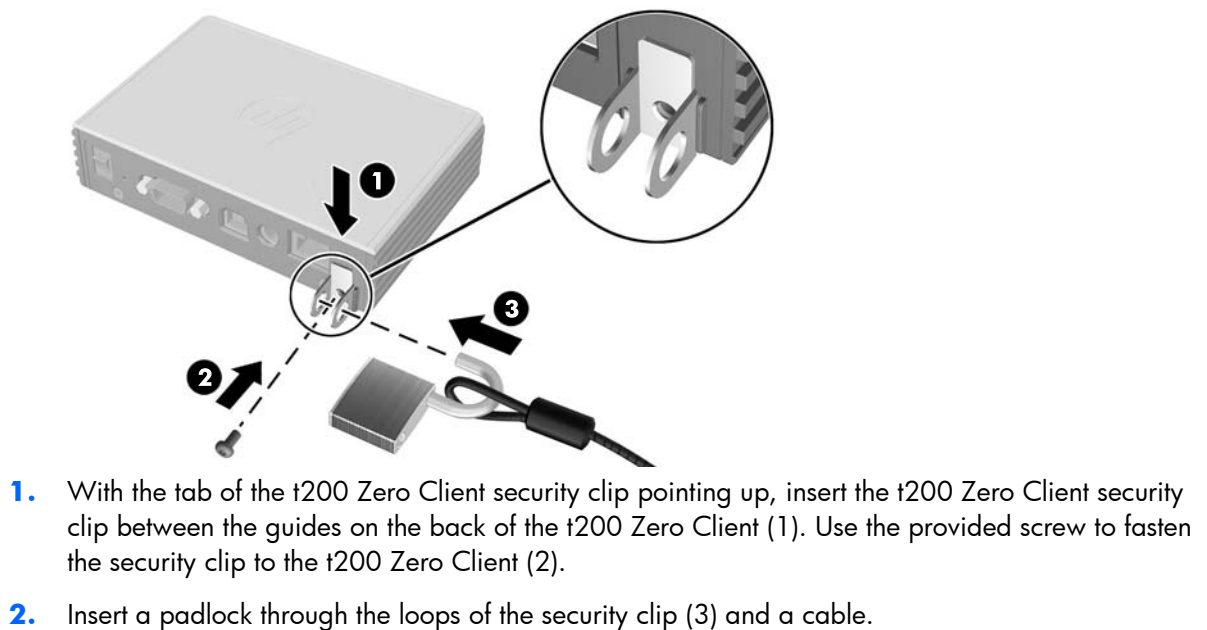
## B Security Provisions

### HP t200 Zero Client for MultiSeat Security Clip

The t200 Zero Client ships with a security clip which can be fastened to the rear panel of the t200 Zero Client. To prevent unauthorized removal of the t200 Zero Client, fasten a padlock through the clip and a cable.

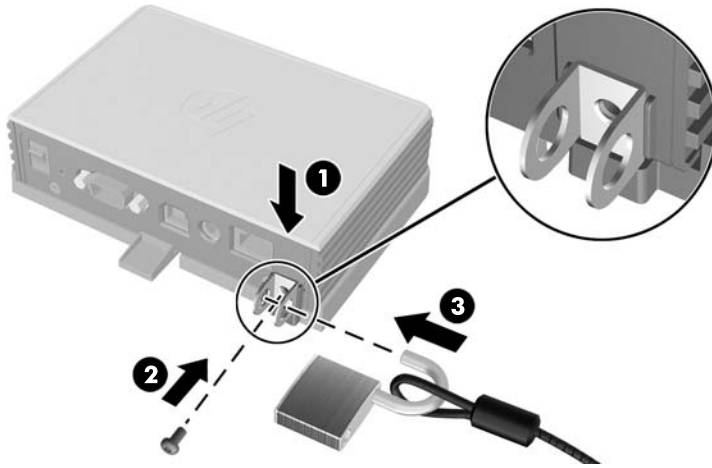
#### Securing the HP t200 Zero Client for MultiSeat

**Figure B-1** Securing the t200 Zero Client



## Securing the HP t200 Zero Client for MultiSeat in the Mounting Bracket

**Figure B-2** Securing the t200 Zero Client in the mounting bracket



1. With the tab of the t200 Zero Client security clip pointing down, insert the t200 Zero Client security clip between the guides on the back of the t200 Zero Client into the slot on the back of the mounting bracket (1). Use the provided screw to fasten the security clip to the t200 Zero Client (2).
2. Insert a padlock through the loops of the security clip (3) and lock it to prevent access to the security clip screw.

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## C Mounting the HP t200 Zero Client for MultiSeat

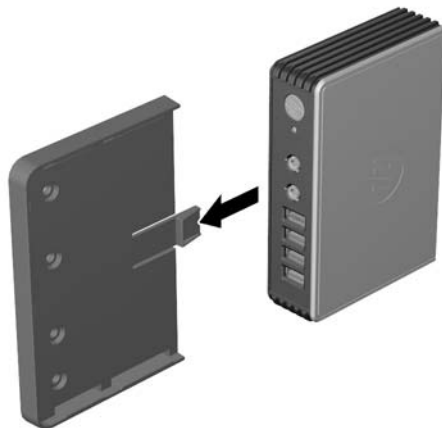
Before mounting the t200 Zero Client, be sure to attach the mounting bracket.

### Mounting Bracket

The t200 Zero Client ships with a mounting bracket which should be used to secure the t200 Zero Client to various mounting solutions. The bracket incorporates four mounting points on one side of the unit. These mounting points follow the VESA (Video Electronics Standards Association) standard, which provides industry-standard mounting interfaces for Flat Displays (FDs), such as flat panel monitors, flat displays, and flat TVs.

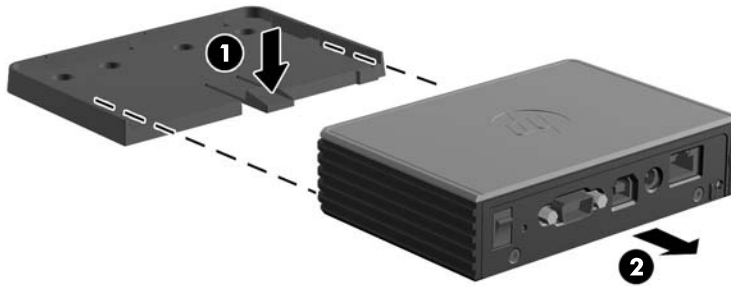
### Attaching the HP t200 Zero Client for MultiSeat to the Mounting Bracket

**Figure C-1** Inserting the t200 Zero Client into the mounting bracket



## Releasing the HP t200 Zero Client for MultiSeat from the Mounting Bracket

**Figure C-2** Removing the mounting bracket

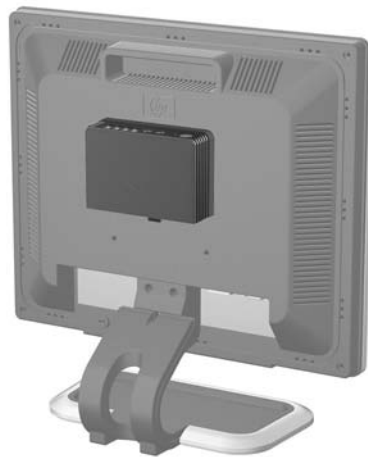


## Supported Mounting Options

**Figure C-3** t200 Zero Client mounted on back of monitor stand



**Figure C-4** t200 Zero Client mounted on back of monitor



**Figure C-5** t200 Zero Client mounted on wall



**Figure C-6** t200 Zero Client mounted under desk



## Non-supported Mounting Option

**CAUTION:** Mounting the t200 Zero Client in a non-supported manner could result in failure of the mounting bracket and damage to the t200 Zero Client and/or other equipment.

Do not mount the t200 Zero Client on a flat panel monitor stand, between the panel and the stand.

**Figure C-7** Unsupported mounting position—t200 Zero Client between stand and monitor



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# D HP t200 Zero Client for MultiSeat Operation

## Routine t200 Zero Client Care

Use the following information to properly care for the t200 Zero Client:

- Never operate the t200 Zero Client with the outside panel removed.
- Keep the t200 Zero Client away from excessive moisture, direct sunlight, and extreme heat and cold. For information about the recommended temperature and humidity ranges for the t200 Zero Client, see [Specifications on page 4](#).
- Keep liquids away from the t200 Zero Client.
- Turn off the t200 Zero Client and wipe the exterior with a soft, damp cloth as needed. Using cleaning products may discolor or damage the finish.

## Supported Orientations

HP supports the following orientations for the t200 Zero Client.

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**⚠ CAUTION:** You must adhere to HP-supported orientations to ensure your t200 Zero Client functions properly.

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- If the t200 Zero Client is not to be mounted, only the horizontal orientation is supported. Be sure to set the t200 Zero Client on its rubber feet.

**Figure D-1** Horizontal orientation



- You can lay the t200 Zero Client under a monitor stand with at least one inch of clearance.

**Figure D-2** Under monitor stand



# Non-supported Orientation

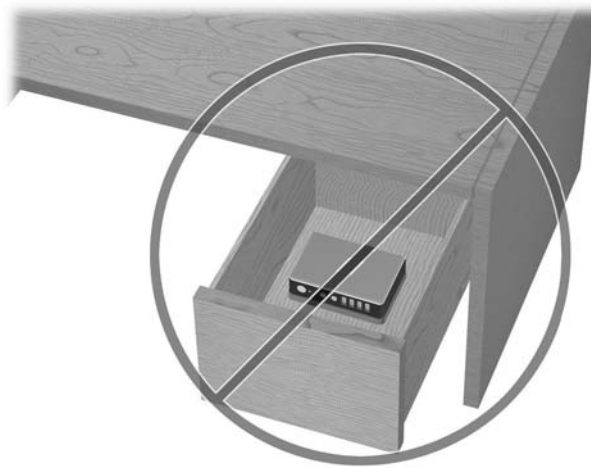
HP does not support the following orientation for the t200 Zero Client.

**CAUTION:** Non-supported placement of the t200 Zero Client could result in operation failure and/or damage to the devices.

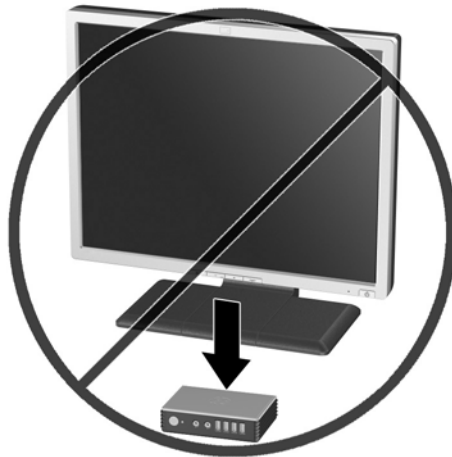
**CAUTION:** The t200 Zero Client requires proper ventilation to maintain operating temperature. Do not block the vents.

Do not put the t200 Zero Client in a drawer or other sealed enclosure. Do not place a monitor or other object on top of the t200 Zero Client. The t200 Zero Client requires proper ventilation to maintain operating temperatures.

**Figure D-3** Do not put the t200 Zero Client in a drawer or other sealed enclosure



**Figure D-4** Do not place a monitor on the t200 Zero Client



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# E Shipping Information

## Shipping Preparation

Follow these suggestions when preparing to ship the t200 Zero Client:

1. Turn off external devices connected to the t200 Zero Client.
2. Disconnect the system components and external devices from their power sources, then from the t200 Zero Client.
3. Pack the system components and external devices in their original packing boxes or similar packaging with sufficient packing material to protect them.



**NOTE:** For environmental nonoperating ranges, see [Specifications on page 4](#).

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## Important Service Repair Information

In all cases, remove and safeguard all external options before returning the t200 Zero Client to HP for repair or exchange.

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